

#15

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FORM PTO-1449

**SIXTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
1875.0590009

APPLICATION NO.
09/766,048

APPLICANT
Carr et al.

FILING DATE
January 19, 2001

GROUP
2614

U.S. PATENT DOCUMENTS

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	AJ						Yes No
	AK						Yes No
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	AM		
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	AO	<u>27</u>	Gimein, M., "You Bought. They Sold." <i>Fortune</i> , pp. 64-68, 72 and 74 (September 2, 2002).
	AP	<u>27</u>	Groshong, R. and Ruscak, S., "Exploit Digital Advantages in an SSB Receiver," <i>Analog-To-Digital Converters (Reprinted from Electronic Design)</i> , pp. 3-103 thru 3-107 (June 13, 1991).
	AQ	<u>27</u>	Wirbel, L., "Broadcom demodulator fits cable's Docsis spec," <i>Electronic Engineering Times</i> , pp. 33 and 40 (July 13, 1998).
	AR	<u>27</u>	Kinget, P. and Steyaert, M., "A 1 Ghz CMOS Upconversion Mixer," <i>IEEE 1996 Custom Integrated Circuits Conference</i> , IEEE, pp. 197-200 (1996).

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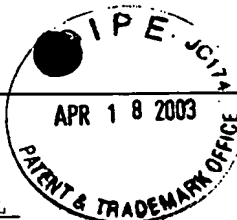
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	AM	<u>28</u>	Pratt, W.J., "High Linearity HBT Amplifier Targets Multicarrier Systems," <i>RF Design</i> , pp. 47, 48, 50, 52 and 54 (March 1996).
	AN	<u>28</u>	Weaver, D.K., "Design of RC Wide-Band 90-Degree Phase-Difference Network," <i>Proceedings of the I.R.E.</i> , pp. 671-676 (April 1954).
	AO	<u>28</u>	SCM-L Product Description and Design Guide, IBM Microelectronics, pp. 16-25.
	AP	<u>28</u>	BCM3116 QAMLink MCNS/DOCSIS Receiver, Broadcom Corporation, 2 Pages (1998).
	AQ	<u>28</u>	BCM93300i Overview, Broadcom Corporation, 1 Page (1998).
	AR	<u>28</u>	Ohr, S., "Broadcom hits Hot Chips with home, office thrusts," <i>Electronic Engineering Times</i> , p. 22 (August 16, 1999).

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	AM	<u>29</u>	Schonfeld, E., "Leading the New Chip Revolution," <i>Fortune</i> , pp. 136-138 and 140 (May 10, 1999).
	AN	<u>29</u>	Gardner, F.M., "Charge-Pump Phase-Lock Loops," <i>IEEE Transactions on Communications</i> , Vol. COM-28, No. 11, IEEE, pp. 321-330 (November 1980).
	AO	<u>29</u>	Czarmul, Z. et al., "Common-Mode Feedback Circuit with Differential-Difference Amplifier," <i>IEEE Transactions on Circuits and Systems - I: Fundamental Theory and Applications</i> , Vol. 41, No. 3, IEEE, pp. 243-246 (March 1994).
	AP	<u>29</u>	Hull, C.D. and Meyer, R.G., "A Systematic Approach to the Analysis of Noise in Mixers," <i>IEEE Transactions on Circuits and Systems - I: Fundamental Theory and Applications</i> , Vol. 40, No. 12, IEEE, pp. 909-919 (March 1994).
	AQ	<u>29</u>	Child, J. (ed.), "Last mile connection: a mish-mash of modulations," <i>Computer Design</i> , 5 Pages (November 1997).
	AR	<u>29</u>	McConnell, M., "LANs View Gigabit Ethernet Benefits," <i>Electronic Engineering Times</i> , CMP Media Inc., 2 Pages (June 8, 1998).

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	AM	<u>30</u>	McHale, T., "New Transceivers Cut Fast Ethernet Cost," <i>Electronic Buyer's News</i> , Issue 1043, CMP Media Inc., p. 35 (February 3, 1997).
	AN	<u>30</u>	Ellis, L., "Broadcom Collapses Cable-Modem Chip," <i>Multichannel News</i> , 1 Page (September 2, 1996).
	AO	<u>30</u>	Ellis, L., "Broadcom Ships MCNS Gear to CableLabs," <i>Multichannel News</i> , Vol. 18, No. 26, 1 Page (June 30, 1997).
	AP	<u>30</u>	Yoshida, J., "Cable industry embraces modem standard," <i>Electronic Engineering Times</i> , CMP Media Inc., 2 Pages (March 24, 1997).
	AQ	<u>30</u>	Wirbel, L., "QAM eyes cable modems," <i>Electronic Engineering Times</i> , CMP Media Inc., 2 Pages (September 2, 1996).
	AR	<u>30</u>	Thryft, A.R., "Two-Chip Cable-Modem Set Gains Support," <i>Electronic Buyer's News</i> , CMP Media Inc., 2 Pages (September 2, 1996).

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	AM	<u>31</u>	Wright, M., "Delivering Digital Video," <i>EDN</i> , Cahners Publishing Company, p. 38(3) (March 14, 1996).
	AN	<u>31</u>	Goldberg, L., "MCNS/DOCSIS MAC Clears A Path for The Cable-Modem Invasion," <i>Communications Technology</i> , Penton Publishing, Inc., p. 69(5) (December 1, 1997).
	AO	<u>31</u>	Goldberg, L., "IC Opens 500-Channel Frontier To Cable Systems," <i>Electronic Design</i> , Penton Publishing, Inc., 6 Pages (November 7, 1994).
	AP	<u>31</u>	Rosen, C., "Broadcom turns defense technology know-how into communication ICs," <i>Electronic Business Buyer</i> , Cahners Publishing Company, 1 Page (March 1995).
	AQ	<u>31</u>	Burke, J., "Absolutely fabless," <i>The Red Herring</i> , 2 Pages (May 1997).
	AR	<u>31</u>	<i>Electronic Products</i> , from http://electronicproducts.com/SHowPage.asp?SECTION=3700&PRIMID=&FileName=JANPOYB1.JAN2000 , 10 Pages (Printed December 4, 2001).

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	AM	<u>32</u>	<i>Microtune Named to Red Herring's Top 50 Private Companies</i> , from http://www.microtune.com/news/1999%20Releases/051900.html , 2 Pages (May 19, 1999).
	AN	<u>32</u>	<i>Microtune Announces World's First NTSC/PAL and Multi-standard PAL TV Tuners-on-a-Chip</i> , from http://www.microtune.com/news/1999%20Releases/061499.html , 3 Pages (June 14, 1999).
	AO	<u>32</u>	<i>Microtune™ Expands Sales Organization and International Presence with Three New Rep Firms</i> , from http://www.microtune.com/news/1999%20Releases/092099.html , 3 Pages (September, 1999).
	AP	<u>32</u>	Willis, C., "America's Top Technology Companies," <i>Forbes</i> ASAP, Forbes Inc., 3 Pages (April 5, 1999).
	AQ	<u>32</u>	"Stars of the new Millennium- Henry Nicholas: Focus is everything," <i>Electronic Business</i> , Cahners Business Information, 2 Pages (January 1999).
	AR	<u>32</u>	Lenati, C., "Chipmaker mantra: 'Broadband now'," <i>Upside</i> , 6 Pages (November 1998).

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	AM	<u>33</u>	Rose, F., "Broadcom Set to Unveil TV-Internet Chip," <i>The Wall Street Journal</i> , Vol. CXXXIX, No. 92, Dow Jones & Company, Inc., 1 Page (November 9, 1998).
	AN	<u>33</u>	Ohr, S., "Signals: Gbit Ethernet shift kicks into high gear," <i>Electronic Engineering Times</i> , CMP Media Inc., 1 Page (October 5, 1998).
	AO	<u>33</u>	Barthold, J., "Broadcom Unveils Cable Modem Single Chip," <i>Cable World</i> , Primedia Intertec, 1 Page (September 28, 1998).
	AP	<u>33</u>	Rose, F., "Broadcom Puts Cable-Modem Circuitry On Single Chip, a Leap for the Industry," <i>The Wall Street Journal</i> , Vol. CXXXIX, No. 57, Dow Jones & Company, Inc., 1 Page (September 21, 1998).
	AQ	<u>33</u>	Armstrong, L., "Broadcom's Brain Trust," <i>Business Week</i> , The McGraw-Hill Companies, Inc., 2 Pages (September 7, 1998).
	AR	<u>33</u>	Quigley, T. and Hartman, D., "Future proofing: MCNS Data-Over-Cable Protocol," <i>CED Magazine</i> , 4 Pages (March 1998).

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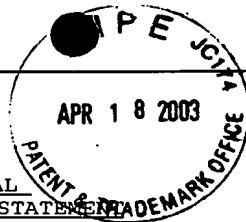
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	AM	<u>34</u>	"Future Best," <i>Forbes Magazine</i> , Forbes Inc., 1 Page (November 3, 1997).
	AN	<u>34</u>	Pontin, J., "The Herring 100," <i>The Red Herring</i> , 5 Pages (September 1997).
	AO	<u>34</u>	"The Top 50 Public Companies," <i>The Red Herring</i> , 3 Pages (June 1999).
	AP	<u>34</u>	"Henry Samuelli & Henry Nicholas," <i>TIME digital</i> , Time Inc., 1 Page (September 15, 1997).
	AQ	<u>34</u>	Press Release, "Broadcom Corp.'s Founders Ranked In The World's Top 50 Cyber Elite By Time Digital Magazine," Broadcom Corporation, 2 Pages (September 16, 1997).
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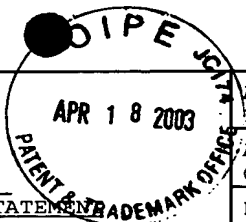
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	AN	<u>35</u>	Press Release, "General Instrument and Broadcom Announce Strategic Partnership for Next-Generation Digital Set-Top Terminal Silicon," Broadcom Corporation, 3 Pages (March 25, 1998).
	AO	<u>35</u>	Press Release, "Broadcom Corporation Wins Award For Cable Technology Innovation," Broadcom Corporation, 2 Pages (April 28, 1998).
	AP	<u>35</u>	Press Release, "Broadcom Demonstrates Voice-Over IP for Next-Generation MCNS Cable Modems," Broadcom Corporation, 3 Pages (May 4, 1998).
	AQ	<u>35</u>	Press Release, "Broadcom Announces a Low-Cost Unmanaged 100Base-TX Integrated Repeater," Broadcom Corporation, 3 Pages (May 5, 1998).
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DA	AN	36	Press Release, "3Com Uses Broadcom's High-performance Quad-PHY Chips for New Dual-Speed, Stackable Hubs," Broadcom Corporation, 4 Pages (May 28, 1998).
DA	AO	36	Press Release, "Broadcom Announces Breakthrough VDSL Solution Offering Significant Bandwidth Improvements Over ADSL," Broadcom Corporation, 3 Pages (June 9, 1998).
DA	AP	36	Press Release, "Next Level Communications Selects Broadcom Corp.'s VDSL Silicon for Broadband Access Equipment," Broadcom Corporation, 4 Pages (June 9, 1998).
DA	AQ	36	Press Release, "Broadcom Announces Demodulator Chip That Doubles the Upstream Bandwidth for Two-way Cable Modem Deployment," Broadcom Corporation, 4 Pages (July 8, 1998).
DA	AR	36	Press Release, "RELTEC Selects Broadcom's VDSL Silicon for Its DISC★S® Broadband Access Equipment," Broadcom Corporation, 3 Pages (July 13, 1998).

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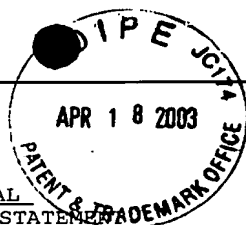
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	AR	<u>37</u>	Press Release, "Broadcom Corporation Adds R&D Capability in India through Armedia, Inc. Acquisition," Broadcom Corporation, 4 Pages (June 1, 1999).

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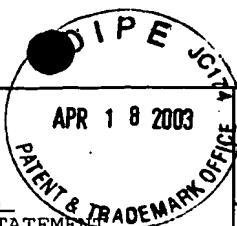
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**SIXTH SUPPLEMENTAL
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APR 18 2003


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1875.0590009

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09/766,048

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	AJ						Yes No
	AK						Yes No
	AL						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AM	<u>39</u>	Press Release, "Broadcom Corporation to Acquire HotHaus Technologies Inc., a VoIP Telecommunications Software Leader," Broadcom Corporation, 5 Pages (July 18, 1999).
	AN	<u>39</u>	Press Release, "Broadcom Corporation Reports Second Quarter Revenue and Profit," Broadcom Corporation, 6 Pages (July 21, 1999).
	AO	<u>39</u>	Press Release, "Microtune™ Revolutionizes Traditional Tuner Industry with the World's First TV Tuner on a Single Chip," Shelton Communications Group and Microtune Inc., 3 Pages (January 26, 1999).
	AP	<u>39</u>	E-Series RF 1:1 Transformer 0.3 - 200 MHz, M/A-Com, Inc., 1 Page.
	AQ	<u>39</u>	E-Series RF 4:1 Transformer 300 - 2500 MHz, M/A-Com, Inc., 1 Page.
	AR	<u>39</u>	E-Series RF 16:1 Transformer 0.3 - 120 MHz, M/A-Com, Inc., 1 Page.

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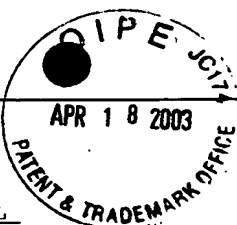
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	AM	<u>40</u>	SC1117 0.8 Amp Positive Voltage Regulator, Semtech Corp., 4 Pages (April 13, 1998).
	AN	<u>40</u>	NI-488.2M User Manual for Windows 95/Windows NT, National Instruments Corporation, pp. 6-1 - 6-10.
	AO	<u>40</u>	Cable-TV And Cable Modem Product Line, 3 Pages.
	AP	<u>40</u>	"Voltage-Controlled Oscillators," MiniCircuits, p. 156.
	AQ	<u>40</u>	Data Sheet: μ PC2798GR Bipolar Analog Integrated Circuit, NEC Corporation, Pages 1-3 (1996).
	AR	<u>40</u>	SP5668 2.7GHz 3-Wire Bus Controlled Low Phase Noise Frequency Synthesizer, GEC Plessey Semiconductors, pp. 1-12 (January 1997).

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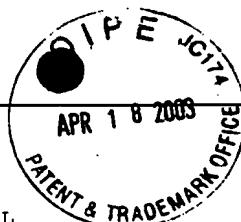
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	AM	<u>41</u>	Data Sheet: 70 MHz Bandpass Filter: 8 MHz Bandwidth: Part Number 855677, Sawtek Incorporated, 1 Page (November 1, 1999).
	AN	<u>41</u>	R8 Communications Receiver Owner's Manual, R.L. Drake Company, pp. i, ii and 1-32 (1994).
	AO	<u>41</u>	Four-Band Communications Receiver Model SX-122 Operating and Service Instructions, Hallicrafters, pp. 1-25.
	AP	<u>41</u>	Communications Receiver Model SX-146 Operating and Service Instructions, Hallicrafters, pp. 1-23.
	AQ	<u>41</u>	Model R-4C Receiver Instruction Manual, R.L. Drake Company, pp. i-iii, 1-1 - 1-3, 2-1 - 2-6, 3-1 - 3-9, 4-1 - 4-3 and 5-1 - 5-11 (June 1977).
	AR	<u>41</u>	Fontaine, J., Market Backgrounder: Industry Challenges of the Digital Media Era Require Revolutionary Solutions, Microtune Inc., pp. 1-3 (1998).

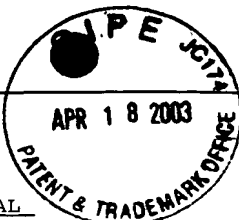
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AM	<u>42</u>	Norsworthy, J., <i>Technology Backgrounder: World's First Single-Chip TV Tuner</i> , Microtune Inc., pp. 1-6.
	AN	<u>42</u>	Norsworthy, J., <i>Technology Backgrounder: World's First Single-Chip TV Tuner</i> , Microtune Inc., 6 pages.
	AO	<u>42</u>	<i>Microtuner™ 2000 (NTSC, PAL or NTSC/PAL) For Cable Applications</i> , Microtune Inc., 2 Pages (1999).
	AP	<u>42</u>	<i>Microtuner 2000™: Single Chip TV Tuner-Receiver</i> , Microtune Inc., 4 Pages (1999).
	AQ	<u>42</u>	<i>Microtuner 2000™: Single-Chip Broadband Tuner-Receiver</i> , Microtune Inc., 2 Pages (1999).
	AR	<u>42</u>	<i>Very High-Speed Digital Subscriber Line (VDSL) Frequently Asked Questions</i> , Broadcom Corporation, pp. 1-4.

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AM	<u>43</u>	Feature Comparison of ADSL and VDSL, Broadcom Corporation, 1 Page (June 2, 1996).				
	AN	<u>43</u>	Using SpectreS in Analog Artist 4.3, 3 Pages.				
	AO	<u>43</u>	Obtaining Accurate Distortion Measurements Using the Analog Workbench, Cadence Design Systems, Inc., 29 Pages (1995).				
	AP	<u>43</u>	2.85 To 12 Volt Fixed Positive Local Voltage Regulator, Issue 2, 18 Pages (April 1997).				
	AQ	<u>43</u>	BAR 63-02W Silicon Bar Diode, Siemens, 2 Pages.				
	AR	<u>43</u>	PC/TV Applications With The Microtuner™ 2000, Microtune, Inc., 3 Pages (1999).				

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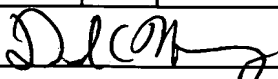
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	AJ						Yes No
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	AM	<u>44</u>	Microtune Fast Facts, Microtune Inc., 2 Pages (1998).
	AN	<u>44</u>	Market Issues Solved by the MicroTuner Market Background Briefing, 2 Pages.
	AO	<u>44</u>	Microtune, Microtune, Inc., 3 Pages.
	AP	<u>44</u>	Conexant/Microtune Launch Plan, 2 Pages (June 1998).
	AQ	<u>44</u>	Microtune Corporate Profile, Microtune Inc., 5 Pages (1998).
	AR	<u>44</u>	Conexant - broadband access for the next century, Microtune Inc., 4 Pages (1999).

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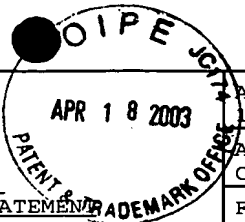
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	AM	45	broadband access for the next century, Microtune Inc., 5 Pages (1999).
	AN	45	Okwit, S., "An Historical View of the Evolution of Low-Noise Concepts and Techniques," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-32, No. 9, IEEE Microwave Theory and Techniques Society, pp. 1068-1082 (September 1984).
	AO	45	Kuhn, W.B., <i>Design of Integrated, Low Power, Radio Receivers in BiCMOS Technologies</i> , Dissertation submitted to Virginia Polytechnic Institute and State University, pp. i-xvii and 1-295 (1995).
	AP	45	Darlington, S., "Realization of a Constant Phase Difference," <i>The Bell System Technical Journal</i> , Vol. XXIX, No. 1, American Telephone and Telegraph Company, pp. 94-104 (January 1950).
	AQ	45	Inamori, H. et al., "A 2GHz Down Converter IC Fabricated by an Advanced Si Bipolar Process (DNP-III)," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 36, No. 3, IEEE Consumer Electronics Society, pp. 707-711 (August 1990).
	AR	45	Luck, D.G.C., "Properties of Some Wide-Band Phase-Splitting Networks," <i>Proceedings of the I.R.E.</i> , Vol. 37, No. 2, The Institute of Radio Engineers, Inc., pp. 147-151 (February 1949).

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	AL						Yes No

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	AM	46	Saraga, W., "The Design of Wide-Band Phase Splitting Networks," <i>Proceedings of the I.R.E.</i> , Vol. 38, No. 7, The Institute of Radio Engineers, Inc., pp. 754-770 (July 1950).				
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